

| Ref # | Hits  | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|-----------------|------------------|---------|------------------|
| L1    | 10695 | electrospray   | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L2    | 354   | electrospray and ((attract\$3 or positive\$2) near6 electrode)   | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L3    | 672   | electrospray and (((attract\$3 or positive\$2) near6 electrode) or anode)  | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L4    | 282   | (electrospray and (((attract\$3 or positive\$2) near6 electrode) or anode)) and (((repel\$4 or negative\$2 or repuls\$3) near electrode) or cathode) | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L5    | 1985  | electrospray and electrode   | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L6    | 1575  | (electrospray and electrode) and (ionization)  | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L7    | 1170  | ((electrospray and electrode) and (ionization)) and vacuum   | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L8    | 890   | (ionization adj chamber) and (electric adj field)  | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L9    | 729   | ((ionization adj chamber) and (electric adj field)) and electrode  | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L10   | 413   | ((ionization adj chamber) and (electric adj field)) and electrode) and vacuum  | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L11   | 169   | ((ionization adj chamber) and (electric adj field)) and electrospray   | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L12   | 388   | ((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4  | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L13   | 385   | ((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4) and field and chamber and ioniz\$5                        | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L14   | 129   | ((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4) and field and chamber and ioniz\$5) and spray\$3          | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L15   | 226   | ((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4) and field and chamber and ioniz\$5) and ground\$3         | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |
| L16   | 2425  | 250/288  | US-PGPUB; USPAT | OR               | ON      | 2005/09/20 13:28 |

|     |      |  |                    |    |    |                  |
|-----|------|--|--------------------|----|----|------------------|
| L17 | 1325 | 250/423R   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L18 | 404  | 250/424  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L19 | 270  | 250/425  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L20 | 476  | 250/423F   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L21 | 2269 | 250/281  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L22 | 2149 | 250/282  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L23 | 3091 | (250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L24 | 1866 | ((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L25 | 796  | ((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L26 | 739  | (((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)) and ioniz\$5  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L27 | 693  | (((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)) and ioniz\$5) and voltage                               | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L28 | 595  | ((((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)) and ioniz\$5) and voltage) and (electric\$2 adj field) | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L29 | 494  | frazer.in.   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L30 | 41   | frazer.in. and william   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L31 | 9729 | fischer.in.  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |

|     |      |  |                    |    |    |                  |
|-----|------|--|--------------------|----|----|------------------|
| L32 | 310  | fischer.in. and steven   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L33 | 3810 | crawford.in.   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L34 | 669  | crawford.in. and robert  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L35 | 870  | (250/288) and electrospray   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L36 | 175  | (electrospray and electrode) and<br>(ioni\$6 adj chamber)  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L37 | 150  | ((electrospray and electrode) and<br>(ioni\$6 adj chamber)) and (electric<br>adj field)  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L38 | 135  | ((electrospray and electrode) and<br>(ioni\$6 adj chamber)) and (electric<br>adj field)) and vacuum\$4   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L39 | 133  | ((electrospray and electrode) and<br>(ioni\$6 adj chamber)) and (electric<br>adj field)) and vacuum\$4) and<br>gas\$5  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L40 | 73   | (electrospray and ((attract\$3 or<br>positive\$2) near6 electrode)) and<br>((repel\$4 or negative\$2 or repuls\$3)<br>near electrode)  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L41 | 155  | ((electrospray and (((attract\$3 or<br>positive\$2) near6 electrode) or<br>anode)) and (((repel\$4 or<br>negative\$2 or repuls\$3) near<br>electrode) or cathode)) and<br>vacuum) and gas\$4 | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L42 | 168  | (electrospray and electrode) and<br>(ionization adj chamber)   | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L43 | 113  | ((electrospray and electrode) and<br>(ionization)) and vacuum) and<br>attract\$3 and repel\$4  | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L44 | 182  | ((electrospray and (((attract\$3 or<br>positive\$2) near6 electrode) or<br>anode)) and (((repel\$4 or<br>negative\$2 or repuls\$3) near<br>electrode) or cathode)) and vacuum                | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |
| L45 | 209  | (((((ionization adj chamber) and<br>(electric adj field)) and electrode)<br>and vacuum) and gas\$4) and field<br>and chamber and ioniz\$5) and<br>ground\$3) and voltage                     | US-PGPUB;<br>USPAT | OR | ON | 2005/09/20 13:28 |

|     |      |  |                 |    |     |                  |
|-----|------|--|-----------------|----|-----|------------------|
| L46 | 86   | (((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)) and ioniz\$5) and voltage) and (electric\$2 adj field)) and attract\$3 and repel\$4 | US-PGPUB; USPAT | OR | ON  | 2005/09/20 13:28 |
| L47 | 63   | ((frazier.in. and william) or (fischer.in. and steven) or (crawford.in. and robert)) and (electrospray or ioniz\$5)  | US-PGPUB; USPAT | OR | ON  | 2005/09/20 13:28 |
| L48 | 611  | ((250/288) and electrospray) and electrode   | US-PGPUB; USPAT | OR | ON  | 2005/09/20 13:28 |
| L49 | 30   | ((250/288) and electrospray) and (parallel adj electrode)  | US-PGPUB; USPAT | OR | ON  | 2005/09/20 13:28 |
| L50 | 76   | ((250/288) and electrospray) and (parallel near3 electrode)  | US-PGPUB; USPAT | OR | ON  | 2005/09/20 13:28 |
| L51 | 6    | (((((electrospray and electrode) and (ioni\$6 adj chamber)) and (electric adj field)) and vacuum\$4) and gas\$5) and (vacuum near3 voltage)  | US-PGPUB; USPAT | OR | ON  | 2005/09/20 13:28 |
| L52 | 6    | (US-6455845-\$ or US-6204500-\$ or US-5614711-\$ or US-6147345-\$ or US-6534764-\$ or US-6157030-\$). did.   | USPAT           | OR | OFF | 2005/09/20 13:28 |
| L53 | 920  | 250/287  | USPAT           | OR | OFF | 2005/09/20 13:28 |
| L54 | 699  | 250/292  | USPAT           | OR | OFF | 2005/09/20 13:28 |
| S1  | 6814 | electrospray   | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:55 |
| S2  | 210  | electrospray and ((attract\$3 or positive\$2) near6 electrode)   | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:55 |
| S3  | 409  | electrospray and (((attract\$3 or positive\$2) near6 electrode) or anode)  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:55 |
| S4  | 173  | (electrospray and (((attract\$3 or positive\$2) near6 electrode) or anode)) and (((repel\$4 or negative\$2 or repuls\$3) near electrode) or cathode)   | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:55 |
| S5  | 1239 | electrospray and electrode   | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:55 |
| S6  | 946  | (electrospray and electrode) and (ionization)  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:56 |
| S7  | 710  | ((electrospray and electrode) and (ionization)) and vacuum   | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:56 |
| S8  | 752  | (ionization adj chamber) and (electric adj field)  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:56 |

|     |      |  |                 |    |    |                  |
|-----|------|--|-----------------|----|----|------------------|
| S9  | 609  | ((ionization adj chamber) and (electric adj field)) and electrode  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S10 | 325  | ((((ionization adj chamber) and (electric adj field)) and electrode) and vacuum  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S11 | 104  | ((ionization adj chamber) and (electric adj field)) and electrospray   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S12 | 300  | (((((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S13 | 299  | ((((((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4) and field and chamber and ioniz\$5                  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S14 | 87   | ((((((((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4) and field and chamber and ioniz\$5) and spray\$3  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S15 | 174  | ((((((((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4) and field and chamber and ioniz\$5) and ground\$3 | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S16 | 2004 | 250/288  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S17 | 1376 | 250/423R   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S18 | 385  | 250/424  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S19 | 304  | 250/425  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S20 | 461  | 250/423F   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S21 | 1942 | 250/281  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S22 | 1809 | 250/282  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S23 | 2616 | (250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S24 | 1537 | ((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4                      | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |

|     |      |  |                 |    |    |                  |
|-----|------|--|-----------------|----|----|------------------|
| S25 | 555  | ((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3))  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S26 | 515  | (((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)) and ioniz\$5  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:56 |
| S27 | 480  | (((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)) and ioniz\$5) and voltage                               | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S28 | 403  | ((((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)) and ioniz\$5) and voltage) and (electric\$2 adj field) | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S29 | 439  | frazer.in.   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S30 | 33   | frazer.in. and william   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S31 | 8686 | fischer.in.  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S32 | 257  | fischer.in. and steven   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S33 | 3495 | crawford.in.   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S34 | 614  | crawford.in. and robert  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S35 | 591  | (250/288) and electrospray   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S36 | 99   | (electrospray and electrode) and (ioni\$6 adj chamber)   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S37 | 87   | ((electrospray and electrode) and (ioni\$6 adj chamber)) and (electric adj field)  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S38 | 80   | ((electrospray and electrode) and (ioni\$6 adj chamber)) and (electric adj field)) and vacuum\$4   | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |
| S39 | 78   | (((((electrospray and electrode) and (ioni\$6 adj chamber)) and (electric adj field)) and vacuum\$4) and gas\$5  | US-PGPUB; USPAT | OR | ON | 2004/04/19 10:57 |

|     |     |  |                 |    |     |                  |
|-----|-----|--|-----------------|----|-----|------------------|
| S40 | 48  | (electrospray and ((attract\$3 or positive\$2) near6 electrode)) and ((repel\$4 or negative\$2 or repuls\$3) near electrode)   | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:57 |
| S41 | 88  | ((electrospray and (((attract\$3 or positive\$2) near6 electrode) or anode)) and (((repel\$4 or negative\$2 or repuls\$3) near electrode) or cathode)) and vacuum) and gas\$4  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:57 |
| S42 | 95  | (electrospray and electrode) and (ionization adj chamber)  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:57 |
| S43 | 66  | ((electrospray and electrode) and (ionization)) and vacuum) and attract\$3 and repel\$4  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:57 |
| S44 | 106 | ((electrospray and (((attract\$3 or positive\$2) near6 electrode) or anode)) and (((repel\$4 or negative\$2 or repuls\$3) near electrode) or cathode)) and vacuum  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:57 |
| S45 | 161 | (((((ionization adj chamber) and (electric adj field)) and electrode) and vacuum) and gas\$4) and field and chamber and ioniz\$5) and ground\$3) and voltage   | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:58 |
| S46 | 51  | (((((250/288 or 250/423R or 250/424 or 250/425 or 250/423F or 250/281 or 250/282) and electrode and field) and vacuum and gas\$4) and (electrospray\$3 or spray\$3)) and ioniz\$5) and voltage) and (electric\$2 adj field)) and attract\$3 and repel\$4 | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:58 |
| S47 | 40  | ((frazier.in. and william) or (fischer.in. and steven) or (crawford.in. and robert)) and (electrospray or ioniz\$5)  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:58 |
| S48 | 404 | ((250/288) and electrospray) and electrode   | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:58 |
| S49 | 15  | ((250/288) and electrospray) and (parallel adj electrode)  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:58 |
| S50 | 44  | ((250/288) and electrospray) and (parallel near3 electrode)  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:58 |
| S51 | 5   | (((((electrospray and electrode) and (ioni\$6 adj chamber)) and (electric adj field)) and vacuum\$4) and gas\$5) and (vacuum near3 voltage)  | US-PGPUB; USPAT | OR | ON  | 2004/04/19 10:58 |
| S52 | 6   | (US-6455845-\$ or US-6204500-\$ or US-5614711-\$ or US-6147345-\$ or US-6534764-\$ or US-6157030-\$). did.   | USPAT           | OR | OFF | 2004/04/19 11:07 |

|     |     |         |       |    |     |                  |
|-----|-----|---------|-------|----|-----|------------------|
| S53 | 771 | 250/287 | USPAT | OR | OFF | 2004/04/19 11:07 |
| S54 | 639 | 250/292 | USPAT | OR | OFF | 2004/04/19 11:07 |